



BOROUGH OF MIDDLETON

1947

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# ANNUAL REPORT

OF THE  
MEDICAL OFFICER  
OF HEALTH

FOR THE YEAR

1947

J. BROOKS, M.R.C.S., L.R.C.P., D.P.H.  
ACTING MEDICAL OFFICER OF HEALTH.

# **BOROUGH OF MIDDLETON**

## **1947**

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### **HEALTH COMMITTEE.**

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**Chairman :**

ALDERMAN T. COATES.

**Vice-Chairman :**

COUNCILLOR MRS. C. REDFERN.

HIS WORSHIP THE MAYOR—COUNCILLOR J. L. GRADWELL, J.P.

COUNCILLOR MRS. C. FLETCHER, J.P.

COUNCILLOR W. D. CHISHOLM, J.P.

COUNCILLOR T. HALSALL.

COUNCILLOR R. SCOTT.

COUNCILLOR A. HORRIDGE.

COUNCILLOR A. WOLSTENCROFT, J.P.

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### **MATERNITY AND CHILD WELFARE SUB-COMMITTEE.**

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MEMBERS OF THE HEALTH COMMITTEE, TOGETHER WITH THE FOLLOWING  
CO-OPTED LADIES :—

MRS. T. HEYWOOD.

MRS. L. BALL.

MRS. ANNE HILTON, J.P.

MRS. F. L. KAY.

# BOROUGH OF MIDDLETON

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## STAFF OF THE PUBLIC HEALTH DEPARTMENT.

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### Acting Medical Officer of Health :

J. BROOKS, M.R.C.S., L.R.C.P., D.P.H.

### Temporary Assistant Medical Officer of Health :

M. B. McCANN, L.R.C.P. & S. (I), D.P.H. (Temporary Appointment terminated January 24th, 1947).

Miss E. WHALLEY, M.B., Ch.B. (Appointed 31st January, 1947 ; terminated appointment 3rd October, 1947).

### Assistant Medical Officer of Health :

D. I. BUCHANAN, M.B., Ch.B., D.P.H. (Appointed by the Lancashire County Council from 1st November, 1947).

### Obstetric Consultant :

\*Miss E. M. MILLS, M.R.C.O.G., F.R.C.S. (Resigned June, 1947).

\*Miss M. EVANS, M.D., B.S.(London), B.Sc.(Wales), M.R.C.O.G. (Appointed November, 1947).

### Orthopædic Surgeon :

‡Miss M. F. JOHNSTONE, M.B., Ch.B.

### Ophthalmic Surgeon :

‡P. A. HARRY, M.D., B.Ch.

### Dental Surgeon :

‡A. E. BUTLER, L.D.S., R.C.S. (England).

### Chief Sanitary Inspector :

T. TURNER, M.R.San.I.

### Sanitary Inspector :

S. HACKING, C.R.S.I.

### Health Visitors :

Miss E. M. HARRISON, S.R.N., S.C.M., H.V. Cert.

Miss T. DUNSCOMBE, S.R.N., S.C.M., H.V. Cert.

Miss H. BOWDELL, S.R.N., S.C.M., H.V. Cert.

### Masseuses :

‡Miss E. G. LEE, C.S.M.M.G.

‡Miss D. J. MACGILL, C.S.M.M.G.

### Clerical Staff :

Miss E. M. HOWARTH.

Miss A. DEAN.

Mrs. J. M. BERRY.

Miss M. LOMAS.

\*Part-time Officer.

‡Part-time Officers employed by the School Medical Committee, but whose services are available for Maternity and Child Welfare Cases.

HEALTH CENTRE,

DURNFORD STREET,

MIDDLETON,

*September, 1948.*

**To the Chairman and Members of the Health and Maternity and  
Child Welfare Committee.**

Mr. Chairman, Ladies and Gentlemen,

The work of the department has been maintained adequately despite several changes in Staff.

The report gives a complete survey of this work for your consideration.

I wish to express my thanks to Miss Howarth and the Staff for their assistance in the compilation of this report which has been carried out expeditiously under difficult conditions.

I am,

Ladies and Gentlemen,

Your obedient Servant,

JAMES BROOKS.

*Acting Medical Officer of Health.*

# STATISTICS AND SOCIAL CONDITIONS.

## GENERAL STATISTICS.

### TABLE I.

Area of the Borough (acres)	...	...	...	...	5,170
Population at Census, 1931	...	...	...	...	29,188
Registrar-General's estimated resident population (mid-year 1947)	...	...	...	...	30,670
Number of Persons per acre	...	...	...	...	5.93
Number of Inhabited Houses (estimated)	...	...	...	...	10,350
Rateable Value at 31st March, 1947	...	...	...	...	£167,686
Sum represented by a Penny Rate (1946-47)	...	...	...	...	£667

## VITAL STATISTICS.

### TABLE II.

	Total	M.	F.	
LIVE BIRTHS :—				
Legitimate ...	661	355	306	Birth-rate per 1,000 estimated population mid-1947... ... 22.5
Illegitimate ...	30	14	16	
Total ...	691	369	322	
STILL-BIRTHS ...	11	5	6	Rate per 1,000 total (live and still) births ... 15
DEATHS ...	400	209	191	Death-rate per 1,000 estimated population ... 13.0
Deaths from puerperal causes :—				Death-rate per 1,000 total (live and still) births
Puerperal and post-abortive sepsis		—	—	—
Other maternal causes ...	...	...	—	—
Total maternal mortality ...	...	—	—	—



Death-rate of infants under one year of age :—

All infants per 1,000 live births	...	...	...	...	54
Legitimate infants per 1,000 legitimate live births	...	...	...	...	55
Illegitimate infants per 1,000 illegitimate live births	...	...	...	...	33
Deaths from Cancer (all ages)	...	...	...	...	67
„ „ Measles (all ages)	...	...	...	...	1
„ „ Whooping Cough (all ages)	...	...	...	...	—
„ „ Diarrhœa (under 2 years of age)	...	...	...	...	4

## POPULATION.

The Registrar-General's estimate of population for the year 1947 is 30,670, which is 510 in excess of the estimated population for 1946 and 1,482 more than the Census population for 1931.

## BIRTHS.

691 live births were assigned to the Borough, representing an annual birth rate of 22.5 per 1,000 of the population, compared with the figure of 20.5 for England and Wales and 22.2 for the 148 smaller towns. The annual birth rates for the past 41 years are shown in Table IV.

## DEATHS.

The number of deaths for Middleton during 1947 was 400, giving a crude death rate of 13.0 per 1,000 of the population, compared with 12.0 for England and Wales and 11.9 for the 148 smaller towns.

The age and ward incidence are shown in Table III.

**TABLE III.**

**Age and Ward Incidence of Deaths occurring in 1947.**

Ward.	Under									75 and	Total
	1	1 — 2	2 — 5	5 — 15	15 — 25	25 — 45	45 — 65	65 up-	wards		
North ...	11	—	2	1	3	3	22	22	17	...	81
Central ...	6	—	—	—	—	2	19	11	20	...	58
South ...	4	—	1	—	1	2	27	19	25	...	79
East ...	11	—	1	2	—	2	17	13	19	...	65
Parkfield .	4	1	—	1	—	4	18	24	13	...	65
West ...	2	—	—	—	—	3	12	17	18	...	52
Total ...	38	1	4	4	4	16	115	106	112		400

The zymotic death rate was 0.16 per 1,000 of the population compared with 0.19 for 1946.

No maternal deaths occurred during 1947. The maternal mortality rate for 1946 was 1.70 per 1,000 (live and still) births

Infant mortality showed 54 per 1,000 live births as compared with 49 in 1946. The comparative rate for England and Wales is 41 and for the 148 smaller towns 36.

The cancer death rate of 2.18 remains high, whilst the tuberculosis death rate was 0.49 as compared with 0.69 in 1946.

Comparative death rates for various diseases for the past 41 years are shown in Table IV and the classified causes of death in 1947 are given in Table V.

TABLE IV.

Year	Birth Rate	Crude Death Rate	Zymotic Death Rate	Infant Mor- tality Rate	Cancer Death Rate	Tuber- culosis Death Rate
1907...	21.6	16.7	2.0	140	1.1	1.9
1908...	22.8	16.1	1.85	153	1.0	1.9
1909...	23.1	14.6	0.6	114	0.98	1.6
1910...	24.2	14.6	1.4	100	0.78	1.2
1911...	23.0	16.6	2.5	181	0.57	1.5
1912...	21.4	15.1	0.6	117	0.74	1.7
1913...	21.0	12.8	0.28	98	0.66	1.0
1914...	19.8	14.6	1.6	126	1.18	1.5
1915...	17.5	16.1	0.64	93	1.2	1.47
1916...	15.8	14.2	0.81	79	1.1	1.59
1917...	14.5	15.3	0.93	114	1.52	1.76
1918...	13.0	17.2	0.90	80	1.37	1.49
1919...	14.0	14.0	0.54	76	1.29	0.90
1920...	22.6	12.3	1.00	90	1.2	1.25
1921...	19.4	13.3	0.69	78	1.2	1.21
1922...	17.5	13.1	0.38	72	1.34	1.14
1923...	14.7	12.3	0.51	72	1.24	0.87
1924...	15.2	12.6	0.34	54	1.68	0.93
1925...	13.3	14.1	0.58	95	1.38	0.90
1926...	15.3	12.6	0.21	57	1.30	0.91
1927...	14.2	13.0	0.41	63	1.55	0.55
1928...	14.6	11.2	0.07	63	1.17	0.75
1929...	14.1	17.1	1.08	96	1.28	0.91
1930...	14.7	11.4	0.23	46	1.59	0.67
1931...	13.2	14.8	0.40	99	1.69	0.67
1932...	14.0	12.9	0.51	80	1.47	0.65
1933...	12.8	14.2	0.27	61	1.89	0.62
1934...	13.7	12.6	0.24	53	1.76	0.48
1935...	12.7	14.2	0.06	35	1.54	0.89
1936...	14.3	14.4	0.30	52	1.88	0.72
1937...	13.2	12.9	0.03	51	1.27	0.30
1938...	13.6	12.5	0.23	59	1.96	0.50
1939...	15.2	13.6	0.10	46	1.77	0.36
1940...	14.8	14.0	0.10	56	1.27	0.43
1941...	15.7	13.7	0.10	41	2.13	0.77
1942...	15.8	13.5	0.17	57	2.01	0.45
1943...	17.2	13.9	0.21	61	1.91	0.35
1944...	21.3	14.8	0.25	53	2.07	0.57
1945...	15.6	13.4	0.00	38	2.05	0.53
1946...	18.8	11.9	0.19	49	2.09	0.69
1947...	22.5	13.0	0.16	54	2.18	0.49



**TABLE V.**  
**Causes of Death, 1947.**

					Males	Females	Total
Typhoid and Paratyphoid Fevers	...	...	...	...	—	—	—
Cerebro-spinal Fever	...	...	...	...	—	—	—
Scarlet Fever	...	...	...	...	—	—	—
Whooping Cough	...	...	...	...	—	—	—
Diphtheria	...	...	...	...	—	—	—
Tuberculosis of Respiratory System	...	...	...	...	9	5	14
Other forms of Tuberculosis	...	...	...	...	1	—	1
Syphilitic Diseases	...	...	...	...	2	3	5
Influenza	...	...	...	...	—	—	—
Measles	...	...	...	...	1	—	1
Acute Poliomyelitis and Polio-encephalitis	...	...	...	...	—	—	—
Acute Infectious Encephalitis	...	...	...	...	—	—	—
Cancer	...	...	...	...	30	37	67
Diabetes	...	...	...	...	1	2	3
Cerebral Hæmorrhage	...	...	...	...	28	30	58
Heart Disease	...	...	...	...	51	59	110
Other Circulatory Diseases	...	...	...	...	5	8	13
Bronchitis	...	...	...	...	11	13	24
Pneumonia	...	...	...	...	15	1	16
Other Respiratory Diseases	...	...	...	...	5	—	5
Peptic Ulcer	...	...	...	...	2	1	3
Diarrhœa under 2 years...	...	...	...	...	2	2	4
Appendicitis	...	...	...	...	1	—	1
Other Digestive Diseases	...	...	...	...	4	3	7
Nephritis	...	...	...	...	4	3	7
Puerperal Sepsis	...	...	...	...	—	—	—
Other Maternal Causes	...	...	...	...	—	—	—
Premature Birth	...	...	...	...	6	7	13
Congenital Malformations, Birth Injury, etc.	...	...	...	...	6	3	9
Suicide	...	...	...	...	3	2	5
Road Traffic Accidents	...	...	...	...	—	—	—
Other Violence	...	...	...	...	7	3	10
All other Causes	...	...	...	...	15	9	24
Total	...	...	...	...	209	191	400

# GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA.

## 1. STAFF.

Full details of the Staff of the department are given at the beginning of this report.

## 2. LABORATORY FACILITIES.

The complete facilities of the University of Manchester Department of Bacteriology and Preventive Medicine, at the Public Health Laboratory are available and are fully utilized.

During 1947 the following specimens were submitted for examination :—

**TABLE VI.**

Throat Swabs ...	...	...	...	...	68
Blood for Agglutination	...	...	...	...	2
Ice Cream for B. Coli, Count, etc.	...	...	...	...	13
Milk samples :—					
(a) Methylene Blue	...	...	...	...	39
(b) Guinea Pig inoculation—B. Tuberc.					12
					— 51
					— 134

## 3. AMBULANCE FACILITIES.

Two ambulances are provided by the Borough Council for the removal of non-infectious cases, medical, maternity or accident. The control and supervision of the ambulance service was transferred to the Medical Officer of Health on the 1st November, 1946.

In addition, a certain number of cases from Boundary Park General Hospital are transported by the ambulances of the Oldham and District Joint Ambulance Board.

During the year 1947 the following cases were conveyed by the above vehicles :—

Accident cases	...	...	...	...	...	157
Medical cases	...	...	...	...	...	836
Deaths	...	...	...	...	...	9
Sudden illness	...	...	...	...	...	53
Maternity cases	...	...	...	...	...	7
Removals	...	...	...	...	...	20
Attempted Suicide	...	...	...	...	...	1
Total						1083

During the year the infectious disease ambulance was transferred to the general ambulance service in order to replace a worn out vehicle and arrangements were made for the transport of all cases of infectious disease to hospital by the Rochdale County Borough infectious disease ambulance.

#### 4. HOSPITAL ARRANGEMENTS.

There are no hospitals situated within this Borough, which is, however, well served by numerous institutions in the surrounding areas. General medical and surgical cases receive attention at the Voluntary Hospitals in Manchester, Oldham and Rochdale, and also at Boundary Park General Hospital, Oldham. Maternity cases are admitted to Boundary Park Hospital, Oldham, St. Mary's Hospital and North Manchester Maternity Home, Manchester. Arrangements for hospital treatment are usually made by the patient's own doctor, but the Local Authority has made financial arrangements for the treatment of approved admissions for confinement to St. Mary's Hospitals, Manchester.

#### 5. HOME AND DOMESTIC HELP SERVICE.

One full time and one part time help were employed during the year, 34 homes being attended for varying intervals.

### MATERNITY AND CHILD WELFARE.

#### Notification of Births.

Under Section 203 of the Public Health Act, 1936, 676 live births and 9 still-births were notified during 1947.

### **Midwifery and Maternity Services.**

The liaison established in 1943 between these services continues and the County Council midwives attend and are responsible for the running of one weekly ante-natal clinic. The Health Visitors are responsible for the second session.

No maternal death occurred during 1947.

### **Ante-Natal Service.**

271 women made 1,314 attendances at the ante-natal clinic, of whom 43 were referred to St. Mary's Hospitals, Manchester, and Boundary Park Hospital, Oldham, and where eighteen were subsequently confined.

### **Post-Natal Service.**

No "ad hoc" clinic has been established but 8 women made 8 attendances at the ante-natal clinic and received advice and treatment.

### **Infant Welfare.**

The clinic services relating to child welfare, despite the poor accommodation available at the district clinics, go on from strength to strength. More and more mothers continue to make use of the services and, as will be seen from Table VII, the number of infants under one year of age making their first attendance at the welfare centres represented 66 per cent. of the total births for the year, being an increase of 15 per cent. over the figure for 1938. Infant deaths, classified according to age and cause of death, are shown in Table VIII.

Table VII. gives a record of work carried out at the centres and in the homes by the health visitors.

## **SPECIAL TREATMENT CLINICS.**

### **Sunlight Therapy.**

This clinic continues to be held thrice weekly. 119 school children and 66 pre-school children made 2,124 attendances during the year.



In February, owing to the extremely cold weather and the fuel shortage the clinic was temporarily discontinued. The clinic was resumed in April when the situation eased.

### **Orthopaedic Clinic.**

A consultative session attended by Dr. Johnstone was held every second month, when 122 school children and 69 pre-school children made 262 attendances. In addition, three remedial sessions are held weekly by the orthopædic nurses. Small classes are held at Durnford Street Clinic at which the orthopædic nurse gives group instruction in exercises devised to remedy minor postural and foot defects.

317 children made a total of 1,506 attendances at the Orthopædic Clinic.

### **Ophthalmic Clinic.**

Sixty pre-school children and 393 school children attended the fortnightly Ophthalmic Clinic, making 674 attendances in all.

### **Dental Clinic.**

Twenty-six pre-school children and 1,014 school children made 1,933 attendances for advice and treatment. Nine expectant or nursing mothers attended for advice and treatment, making 16 attendances.

## **TABLE VII.**

### **CHILD WELFARE CLINICS.**

	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947
Number of children who attended for the first time during the year and who, on the date of their first attendance were:—										
(1) Under 1 year of age	205	229	206	260	242	284	351	285	345	459
(2) Between the ages of 1 and 5 years ... ..	67	64	34	59	52	25	45	32	46	40
Percentage of notified births represented by the number of children who on the date of their first attendance were under one year of age ...	51.00	50.32	46.19	55.56	53.19	58.44	58.60	64.19	60.53	66.42

**Child Welfare Clinics—Table vii—(contd.)**

	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947
Number who attended and at the end of the year were :—										
(1) Under 1 year of age	170	184	184	229	210	218	328	242	330	431
(2) Between the ages of 1 and 5 years ... ..	441	448	397	410	379	291	382	469	531	539
Number of attendances by children :—										
(1) Under 1 year of age	3611	4106	4602	5427	4438	4549	5636	5053	5678	7798
(2) Between the ages of 1 and 5 years ... ..	4506	3854	4404	3586	1639	1288	1687	1713	1977	1577

**Ante-Natal Clinics.**

Number of expectant mothers attended ...	155	134	71	132	91	119	239	176	266	271
Number of attendances by expectant mothers...	546	367	196	402	124	471	1054	905	1254	1314
Percentage of total noti- fied live and still births represented by the num- ber of expectant mothers who attended the Ante- Natal Clinics ... ..	36.21	28.63	15.34	26.83	19.20	23.47	38.74	38.18	45.24	38.60

**Gynaecological and Post-Natal Clinics.**

Number of mothers attended ... ..	14	6	3	7	4	2	11	22	24	9
Number of attendances	17	6	3	7	4	4	15	28	29	9

**Health Visiting.**

(1) To expectant mothers										
First visits ... ..	58	57	31	25	23	6	11	17	76	63
Total visits ... ..	423	498	225	187	153	54	72	63	232	211
(2) To children under 1 year of age :—										
First visits ... ..	455	466	482	503	521	435	598	442	551	632
Total visits ... ..	1927	2114	1880	1650	1631	788	1321	1282	2263	2596
(3) To children between the ages of 1 and 5 years										
Total visits ... ..	3493	3673	3369	2745	2125	627	1072	1036	2476	2389

**TABLE VIII.**  
**INFANT DEATHS, 1947.**

Cause of death.	Days		Weeks		Total	Months			Total
	Under								
	1	1	1-7	1-4		1-3	3-6	6-12	
Prematurity ...	4	—	2	5	11	2	—	—	13
Gastro Enteritis	—	—	—	1	1	1	2	—	4
Pneumonia ...	—	—	—	1	1	3	—	2	6
Intussusception .	—	—	—	1	1	—	—	—	1
Marasmus ...	—	—	—	1	1	—	1	—	2
Icterus Neona- torum ...	—	—	1	—	1	—	—	—	1
Convulsions ...	—	—	1	—	1	—	—	—	1
Congenital Diseases ...	—	—	1	—	1	1	1	—	3
Other Diseases...	1	—	1	1	3	3	1	—	7
Total ...	5	—	6	10	21	10	5	2	38

## GENERAL HEALTH SERVICES.

### Scabies Treatment Clinic.

During the year the incidence of Scabies further decreased but the facilities at the Health Centre continue to be used.

Affected persons, including all family contacts, are offered treatment at the Health Centre, and a good response has been obtained. Where adequate bathing facilities are available at home, suitable preparations and instructions in their use are supplied, and the patients are kept under supervision. Where home facilities are unsatisfactory, the treatment is carried out by the Health Visitors at the Health Centre. The local Medical Practitioners have co-operated and have referred cases to the Clinic for treatment. Details of the number of individuals, including family contacts, treated are as follows :—

TABLE IX.

Age Distribution.

	Treated at Home.	Treated at Clinic.	Treated elsewhere e.g., Hospital.	Total
Pre-school ...	2	15	—	17
Schoolchildren	6	58	—	64
Adults ...	28	27	1	56
	—	—	—	—
Total ....	36	100	1	137
	—	—	—	—

The preparations used are Ascabiol and Sulphur.

Verminous Conditions.

Attention to louse infestation has continued throughout the year. Most of these cases are discovered amongst the school population, and wherever possible adult and pre-school contacts are also examined and advised regarding treatment. During the year the following cases were dealt with at the Health Centre :—

TABLE X.

Cleansed at Clinic.

Pre-school children	...	...	...	...	—
School children ...	...	...	...	...	12
Adults ...	...	...	...	...	—
					—
					12
					—

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## SANITARY CIRCUMSTANCES OF THE AREA, ETC.

### SEWAGE DISPOSAL.

The Sewage from this Borough is treated by Manchester Corporation.

### WATER SUPPLY.

The town is supplied with water by the Heywood and Middleton Joint Water Board. The supply is upland surface water, of good quality. Details of the catchment area and reservoir installations have been given in previous reports.

2,468 yards of mains were laid during the year for housing development.

No. of houses supplied by the Joint Board ... 10,625

No. of baths in Borough ... 5,780

During the year the following examinations were made, and the results were satisfactory in all cases.

(a) Raw Water—Bacteriological ... 19  
Chemical ... 2

(b) Water going into supply where treatment is installed—  
Bacteriological ... 53  
Chemical ... —

Chlorination of the water is in operation, the dosage being 0.2 parts per million.

Precautions taken to prevent contamination by lead include, addition of chalk to saturation point in raw water, followed by sedimentation, filtration and further addition of Soda Ash.

A small number of outlying farms have independent water supplies from wells.

### SANITARY SERVICES.

#### Closest Accommodation.

The following is a list of the types of closets existing in the Borough at the end of the year:—

TABLE XI.

Privy middens . ...	...	...	...	63
Pail closets ...	...	...	...	210
Waste-water closets ...	...	...	...	2,881
Fresh-water closets ...	...	...	...	6,324

## Refuse Collection and Disposal.

Refuse collection and disposal is carried out by the Cleansing Department. An efficient Salvage Plant and Destructor are available. The following information has been supplied by the Chief Sanitary Inspector who is also Cleansing Superintendent.

### Refuse Collection.

An improvement in collection was made during the year by an additional vehicle being put into service. The number of vehicles engaged on this work is five, viz.: three "S & D" Freighters and two "Karrier Bantams". All the vehicles are fitted with steel sliding shutters to the bodies to minimise nuisance from dust.

There are approximately 6,989 moveable ashbins, 1,369 ashpits, 354 wall-type dustbins and 210 pail closets in the Borough. Ashbins and pail closets are emptied weekly and ashpits fortnightly.

The majority of the pail closets are in connection with premises in the villages of Bowlee and Birch which are not sewered.

The net cost of Refuse Collection for the financial year ended 31st March, 1948, was £7,951.

### Refuse Disposal.

Of the refuse collected, 7,449 tons was dealt with at the Separation and Salvage Plant and 95 tons was dealt with by tipping.

The cost of Refuse Disposal for the year amounted to £1,219.

**TABLE XII.**

### Income from Sales of Salvage.

	T.	C.	Q.	£	s.	d.
Waste Paper ... ..	199	6	0	1,284	19	6
Textiles... ..	7	4	2	45	13	0
Bones ... ..	1	14	2	10	0	2
Kitchen Waste... ..	106	1	0	159	1	6
Light Scrap ... ..	11	11	0	13	4	11
Baled Destructor Scrap	145	18	2	222	4	4
Non-ferrous Metals ...	1	0	3	36	6	3
Bottles and Jars ... ..	4	15	0	20	14	6
Broken Glass ... ..	8	11	0	8	8	9
Screened Dust ... ..	3,830	18	0	9	12	8
Screened Fuel ... ..	468	15	0	208	14	5
Clinkers... ..	73	6	2	2	15	0
Total ... ..	<u>4,859</u>	<u>1</u>	<u>3</u>	<u>2,021</u>	<u>15</u>	<u>0</u>

**TABLE XIII.****SANITARY INSPECTION OF THE AREA.**

The following tables give details of the various inspections carried out by the Sanitary Inspectors during the year :—

**RECORD OF INSPECTIONS.****Public Health Act, 1936.**

Inspections  
made, etc.

Drainage work ... ..	170
Refuse removal ... ..	389
Water samples taken ... ..	—
Tents, vans, sheds, etc. ... ..	5
Stables, piggeries, etc. ... ..	14
Schools ... ..	10
Common lodging houses ... ..	38
Houses let in lodgings ... ..	29
Houses ... ..	1403
Manure dumps ... ..	12
Investigation and removal of patients	
Infectious diseases ... ..	43
Disinfection ... ..	18
Verminous conditions and disinfestation ... ..	60
Miscellaneous visits and re-visits ... ..	129
Total ... ..	2320

**Housing Act, 1936.**

Housing defects ... ..	107
Measured for permitted number ... ..	75
Investigations overcrowding ... ..	24
Miscellaneous visits and re-visits ... ..	15
Total ... ..	221

**Food and Drugs Act, 1938.**

Samples taken—Milk designated, for Bacteria..	1
Milk ordinary, for Bacteria ...	12
Ice cream ... ..	14
Food preparing etc. premises ... ..	90
Dairies ... ..	17
Cowsheds ... ..	55
Markets and shops ... ..	92
Unsound food ... ..	40
Miscellaneous visits and re-visits ... ..	72
Total ... ..	393

**Factories Act, 1937.**Inspections  
made, etc.

Factories with power	...	...	...	...	12
Bakehouses	...	...	...	...	8
					—
Total	...	...	...	...	20
					—

**Shops Acts.**

Hours of closing	...	...	...	...	Nil.
Health, etc. (Sec. 10)	...	...	...	...	Nil.

**Diseases of Animals Acts.** ... 85**Rats and Mice (Destruction) Act.**

Rat infestation	...	...	...	...	951
Mice infestation	...	...	...	...	109
					—
Total	...	...	...	...	1060
					—

**Miscellaneous Visits.**

Re-inspection where notices in force	...	...	...	...	622
Interviews with owners, builders, etc.	...	...	...	...	253
Works in progress	...	...	...	...	53
Public conveniences	...	...	...	...	32
Meetings	...	...	...	...	39
Tip and salvage depot	...	...	...	...	627
Salvage and refuse collection	...	...	...	...	128
Air raid shelters	...	...	...	...	—
Other visits	...	...	...	...	55
					—
Total	...	...	...	...	1809
					—

**Total Number of Visits** ... 5908**Complaints.**

Number of complaints during the year ... 729

**Notices.**

Informal notices served	...	...	...	674
Informal notices complied with	...	...	...	562
Statutory notices served	...	...	...	14
Statutory notices complied with	...	...	...	11



**TABLE XIV.****Work carried out in compliance with Notices.**

Drains cleared ... ..	178
Drains repaired or re-constructed ... ..	31
Rainwater pipes repaired ... ..	21
New water-closets installed ... ..	—
Water closets repaired ... ..	96
Eaves-gutters repaired ... ..	36
Sinks provided ... ..	8
Bins provided ... ..	118
Roofs repaired ... ..	96
Other nuisances abated ... ..	187
Plasterwork repaired ... ..	54
Skirting boards repaired ... ..	4
Rising dampness remedied ... ..	47
Fire-ranges repaired ... ..	20
Floors repaired ... ..	35
Sash-cords repaired ... ..	9
Dampness remedied ... ..	122
Waste pipes remedied ... ..	12
Doors repaired ... ..	6
Wash boilers repaired ... ..	1

**TABLE XV.****FACTORIES ACT, 1937.**

Defects found ... ..	7	
Notices served :—		
(a) Sanitary defects ... ..	3	Remedied, 2
(b) Other defects ... ..	4	„ 3

**TABLE XVI.****ERADICATION OF BED BUGS.**

(a) No. of Council houses found to be infested	10
„ „ „ disinested ... ..	10
(b) No. of other houses found to be infested ...	4
„ „ „ disinested ... ..	4

## INSPECTION AND SUPERVISION OF FOOD.

## TABLE XVII.

## (a) MEAT AND OTHER FOODS CONDEMNED.

Orange Pulp, 5 tons, 12 cwts., 2 qrs. ; Lime Pulp, 14 cwts. ; Blackberry Pulp, 4 tons, 7 cwts. ; Apple Pulp, 17 cwts, 2 qrs., 20 lbs. ; Plum Pulp, 7 cwts. ; Raspberry Pulp, 3 cwts, 2 qrs. ; Strawberry Pulp, 5 tons, 5 cwts, 2 qrs. ; Grapefruit Pulp, 2 tons, 2 cwts, 2 qrs. ; Apricot Pulp 12 cwts, 2 qrs. ; Apple and Plum Jam, 21 lbs. ; Plum Jam, 10 lbs. ; Apricot and Quince Jam, 3 cwts, 3 qrs, 21 lbs. 8 ozs. ; Quince and Plum Jam, 4 lbs, 8 ozs. ; Marrow and Ginger Jam, 18 lbs. ; Pumpkin and Ginger Jam, 18 lbs. ; Apricot Jam, 9 lbs ; Cherry and Plum Jam, 9 lbs. ; Assorted Jams, 3 qrs., 24 lbs. ; Grape Jam, 4 lbs. ; Melon and Ginger Jam, 4 lbs. ; Peach Jam, 2 lbs. ; Marmalade, 3 qrs., 27 lbs., 8 ozs. ; Orange Shred, 3 cwts. ; Gooseberry, 3 qrs. ; Apricots, 1 lb., 14 ozs. ; Orange Juice, 4 lbs., 8 ozs. ; Grapefruit Juice, 2 lbs., 8 ozs. ; Grapefruit, 23 lbs., 4 ozs. ; Peaches 9 lbs. ; Apple Jelly, 4 lbs., 8 ozs. ; Prunes 1 cwt., 1 qrs., 25 lbs. ; Figs, 3 qrs., 1 lb. ; Apples 1 qr. 2 lb. ; Plums, 3 lbs. ; Tomatoes, 2 lbs., 8 ozs. ; Beetroot, 2 lbs. ; Carrots, 4 lbs. ; Tomatoes (Canned), 1 qr., 3 lbs., 12 ozs. ; Peas, 1 qr., 13 lbs., 4 ozs. ; Beans, 12 lbs., 10 ozs. ; Mixed Vegetables, 1 lb ; Black Puddings, 27 lbs. ; Minced Beef Loaf, 3 lbs. ; Irish Stew, 8 lbs ; Meat Ration, 10 lbs. ; Luncheon Meat, 9 lbs., 12 ozs. ; Stewed Steak, 2 qrs., 5 lbs. ; Chopped Ham, 8 lbs., 4 ozs. ; Pork Loaf, 3 lbs., 8 ozs ; Minced Beef, 2 cwts, 2 qrs., 20 lbs. ; Canned Beef Hash, 2 lbs. ; Pork Sausage, 4 lbs, 4 ozs. ; Sausage, 22 lbs., 2 ozs. ; Brisket of Beef, 6 lbs. ; Potted Meat 5½ ozs. ; Steak and Kidney, 3 lbs. ; Ox Tongue, 6 lbs. ; Steak and Kidney Pudding, 1 lb. ; Bacon (Canned), 4 lbs., 8 ozs ; Syrup, 4 lbs. ; Bread, 2 cwts, 2 qrs., 24 lbs. ; Soup, 4 lbs. ; Mackerel, 2 lbs. ; Cod Fillets, 1 qr. ; Sardines, 12 ozs. ; Salmon, 19 lbs, 7½ ozs. ; Pilchards, 21 lbs. 8 ozs. ; Pate de Sol, 5½ ozs. ; Pea Soup Powder, 1 qr., 14 lbs. ; Sweet Pickle, 2 lbs., 4 ozs. ; Christmas Puddings, 5 cwts., 16 lbs. ; Milk (Tins), 447 ; Fish Cakes, 120 ; Beef Juice, 1 bottle ; Treet, 1 tin ; Cheese Biscuits, 66 ; Fruit Bars, 74 ; Assorted Toffees, 9 lbs.

## TABLE XVIII.

## (b) MILK SUPPLY.

## Milk and Dairies Order, 1926.

No. of Cowkeepers registered in the district ...	69
No. of Retail Milk Sellers registered ... ..	34
No. of Cowshed Inspections during the year ...	55

Samples of milk were taken from producers and retail purveyors of milk for examination by the methylene blue test with the following results :—

**TABLE XIX.**

Satisfactory	...	...	...	...	...	33
Unsatisfactory	...	...	...	...	...	6

Twelve samples of ordinary milk were submitted for biological test for Tubercle Bacilli, and all were satisfactory.

### **Milk (Special Designations) Orders 1936 and 1938.**

The Lancashire County Council is the Licensing Authority under the above Orders with respect to the production of "Accredited" and "Tuberculin Tested" Milk, and the following licences have been issued and are at present in force in the Borough :

No. of Licences to produce "Tuberculin Tested" Milk	...	...	...	...	...	Nil.
(a) To produce only	...	...	...	...	...	„
(b) To produce and bottle	...	...	...	...	...	„
No. of Licences to produce "Accredited" Milk	...	...	...	...	...	3
(a) To produce only	...	...	...	...	...	—
(b) To produce and bottle	...	...	...	...	...	3

Licences to dealers in Designated Milk were issued by the Local Authority, as follows :—

No. of Licences to deal in "Pasteurised Milk"	...	...	...	...	...	1
---	-----	-----	-----	-----	-----	---

### **PREVALENCE OF, AND CONTROL OVER, INFECTIOUS DISEASES.**

Measles was epidemic in nature during the year, particularly in the first three months.

Table XX shows the number of cases occurring amongst the individual diseases, the number removed to hospital and the deaths occurring in hospital.



**Total Cases Notified.****TABLE No. XX.**

Infectious Diseases.	No.	Removed to Hospital.	Deaths in Hospital.
Scarlet Fever ... ..	13	3	—
Diphtheria ... ..	—	—	—
Pneumonia ... ..	20	2	8
Ophthalmia Neonatorum ...	1	1	—
Puerperal Pyrexia ... ..	—	—	—
Erysipelas ... ..	2	—	—
Measles ... ..	705	4	1
Whooping Cough... ..	46	2	—
Dysentery... ..	1	1	—
Cerebro-Spinal Fever . ...	1	1	—
Acute Polio-encephalitis ...	1	1	—
	<hr/> 790	<hr/> 15	<hr/> 9

**Scarlet Fever.**

The incidence of scarlet fever continued to fall during 1947 when 13 cases only were notified. The cases were scattered over the whole of the borough and over the whole of the year and the disease generally was mild in character. No death occurred.

**Diphtheria.**

No cases of diphtheria occurred during the year.

The scheme of immunisation continues to function actively and 287 children were immunised through the local authority's scheme whilst a further 83 children were known to have been immunised by private practitioners. In addition, 430 children immunised some years previously received a re-inforcing inoculation during the year.

It is estimated that at the end of 1947, 52.97 per cent. of children under 5 years of age and 77.97 per cent. of children between the ages of 5 and 15 years were immunised against diphtheria. Table XXI. shows the progress of the scheme since its inception.

**Whooping Cough.**

Forty-six cases occurred during the year. The whole of the borough was involved, the cases occurring during the first nine months. No death occurred.

**Measles.**

705 cases of measles occurred during the year. More than half the cases occurred in the first three months but there was a steady incidence until October. 67.38 per cent. of the cases were children under 5 years of age. The whole of the borough was involved. 4 cases were admitted to hospital for treatment and one child died in hospital.



**TABLE No. XXI.**  
**DIPHTHERIA IMMUNISATION :**  
**Persons Inoculated each year from 1936—1947.**

Age at date of inoculation	1936		1937		1938		1939		1940		1941		1942		1943		1944		1945		1946		1947		
	*1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
Under 1	—	—	—	—	—	—	—	—	—	—	2	1	—	14	4	8	15	14	9	26	23	18	14	41	Total inoculated under five years on 31st Dec., 1947: 1,080.
1	—	—	—	—	—	—	—	—	1	—	22	29	36	80	40	66	65	85	101	126	94	75	87	83	
1½	—	1	—	—	1	1	—	3	1	7	23	12	19	47	9	21	17	25	19	8	18	10	5	9	
2	1	—	—	—	—	—	3	1	—	—	33	15	11	41	13	19	5	15	12	11	11	6	7	4	
2½	1	—	1	—	—	1	—	—	—	—	42	15	13	54	5	6	4	5	5	10	11	4	1	2	
3	—	—	—	1	—	2	1	2	—	—	30	13	12	44	9	6	3	7	6	1	4	2	3	2	
3½	—	1	—	2	—	1	—	—	—	1	34	9	11	38	4	7	4	5	3	10	5	5	2	2	
4	1	—	1	1	1	1	1	—	1	1	40	14	12	37	4	14	1	4	4	—	2	2	1	2	
4½	1	1	2	1	—	1	1	—	—	—	41	15	8	33	6	8	3	8	2	3	5	2	2	—	
5	1	—	1	—	—	1	1	—	1	3	41	18	16	54	9	11	5	12	—	3	3	3	3	4	
5½	—	—	—	—	—	—	—	—	—	—	52	19	15	44	6	16	5	13	3	5	6	4	1	4	Total inoculated aged 5-14 years on 31st Dec., 1947: 2,645.
6	—	1	2	1	—	1	—	2	—	—	39	11	17	43	6	12	5	10	—	3	1	2	1	3	
6½	1	—	—	—	—	—	—	—	—	—	48	9	22	44	6	6	—	6	5	1	2	—	—	—	
7	1	2	2	2	1	2	—	—	—	—	43	12	23	30	6	12	1	6	5	2	—	1	—	—	
7½	—	—	—	2	1	—	1	—	1	—	30	11	19	27	3	7	1	5	2	1	2	—	—	—	
8	—	1	2	—	—	—	—	—	—	—	36	12	13	28	5	9	1	5	—	1	—	—	1	—	
8½	—	—	2	1	—	—	1	—	—	—	32	5	17	27	3	13	1	11	1	—	1	—	—	—	
9	—	—	—	—	—	1	—	—	1	1	27	10	19	33	1	8	1	7	3	1	1	—	—	—	
9½	1	1	—	—	1	—	—	—	—	—	39	12	26	26	5	9	2	5	—	—	2	3	—	—	
10	—	—	1	—	—	1	—	—	—	—	24	3	21	30	9	11	—	2	2	1	—	—	—	—	
10½	—	—	—	—	1	—	—	—	—	1	29	4	14	26	5	10	2	6	—	—	—	—	1	—	
11	—	—	—	1	—	—	1	—	—	—	33	4	22	31	6	20	—	3	—	—	—	1	1	—	
11½	—	—	—	—	—	—	—	—	—	—	26	8	18	36	1	9	1	9	1	—	1	—	—	—	
12	—	—	—	—	—	—	—	—	—	—	29	11	8	30	2	10	—	12	1	1	1	—	—	—	
12½	—	—	—	—	—	—	—	—	—	—	23	1	16	25	1	5	2	2	1	—	3	—	1	—	
13	1	—	—	—	—	—	—	—	—	—	29	9	18	16	3	8	1	9	3	1	—	—	—	—	
13½	—	—	—	—	—	—	—	—	—	—	33	5	16	25	5	3	1	11	—	—	—	—	—	—	
14	—	—	—	—	—	—	—	—	—	—	6	—	—	4	2	1	—	2	1	—	—	—	—	—	
14½	—	—	—	—	—	—	—	—	—	—	—	1	—	—	1	—	—	—	—	—	—	—	—	—	
Total each yr.	17		26		19		18		20		1,174		1,409		514		450		404		334		287		Total inoculated aged 15 years and over on 31st Dec., 1947: 957.

\* 1 = January to June.

2 = July to December.

